Installation

LVRD2

Verge® Lavatory System – LVRD-Series with Evero® Natural Quartz Material

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⚠️ WARNING

Turn OFF electrical power to the electrical outlets, then unplug all electrical units prior to installation. Electrical power MUST remain off until installation is complete.

Installer’s hardware must be appropriate for wall construction. Wall anchors must have a minimum pull-out rating of 1,000 lbs.

NOTICE

Make sure that all water supply lines have been flushed and then completely turned off before beginning installation. Debris in supply lines can cause valves to malfunction.

IMPORTANT

Read this entire installation manual to ensure proper installation. When finished with the installation, file this manual with the owner or maintenance department. Compliance and conformity to local codes and ordinances is the responsibility of the installer. Product warranties may be found under “Products” on our Web site at bradleycorp.com.

Separate parts from packaging and make sure all parts are accounted for before discarding any packaging material. If any parts are missing, do not begin installation until you obtain the missing parts.

For standard height mounting, do not exceed the recommended 34” distance from the top of the lav deck to the finished floor. To meet ADA requirements, the lav deck cannot exceed the 34” maximum height dimension.
Components

Bowl
Contact your Bradley Representative for color options

Frame
(S17-362)

Access Panel
(186-1813)

Chrome P-trap (S29-094)
Plastic P-trap (269-1697)

TMV Supply Connections

Supply Fittings
(S45-2510)

Plastic Hose
Stainless Steel Hose

TMV Valve
(½" NPTM Outlet)
(S45-2478)

Hose Prepack
(S45-2730)

Water supply to battery box solenoid MUST be supplied using a plastic hose (provided by Bradley).

TMV Supply Connections

Supply Fittings
(S45-2510)

Plastic Hose
Stainless Steel Hose

TMV Valve
(½" NPTM Outlet)
(S45-2478)

Hose Prepack
(S45-2730)

Tempered Supply Connections

Supply Fittings
(S45-2511)

Plastic Hose
Stainless Steel Hose

Hose Prepack
(S45-2731)
Components

IR-DCD Faucet* (S53-336)

Plug-In Transformer Option (PT) for IR-DCD Faucet (S53-337)

IR-DGC Faucet* (S53-350)

Plug-In Transformer Option (PT) for IR-DGC Faucet (153-486)

*Adapter S45-2872 included with faucet

Components

CAP-DCR Faucet (S53-353)

Plug-in transformer option (PT) includes Transformer (S53-338), Adapter (S53-339), and Grounding Kit (S53-349) for CAP-DCR Faucets

Battery Box Prepack (S45-2508) (includes bracket and mounting hardware)

Optional Transformer

6315-KT0000 Soap Dispenser

6324-68 Soap Dispenser

6334 Soap Dispenser

*Adapter S45-2872 included with faucet
Supplies Required:

- (7) 3/8" lag screws, wall anchors, bolts (minimum pull-out rating of 1,000 lbs.)
- ½" hot/cold or tempered supply piping
- 1½" NPT drain piping
- OPTIONAL: 110 volt GFCI protected electrical outlet for 100–120 VAC plug-in transformer (for Bradley Faucets)
- Screen filter(s) as needed, if not included with faucet(s)

Dimensions

Top View

Front View

59" (1499mm)
36" (914mm)
60" (1524mm)
Dimensions – Side View

Standard Height
- 22½" (572mm)
- 15¼" (392mm)
- 15½" (400mm)
- 33½" (851mm)
- 32½" (826mm)
- 8½" (216mm)
- 19¼" (489mm)
- 15¾" (400mm)

Juvenile Height
- 22½" (572mm)
- 15¾" (392mm)
- 15½" (400mm)
- 30½" (775mm)
- 29½" (749mm)
- 8½" (216mm)
- 16½" (413mm)

TAS, Pre-K through Grades 5 or 6
- 22¼" (572mm)
- 15¼" (392mm)
- 15½" (400mm)
- 29½" (749mm)
- 28½" (724mm)
- 8½" (216mm)

TAS, Grades 6 through 8 or 9
- 22½" (572mm)
- 15¼" (392mm)
- 15¾" (387mm)
- 31½" (800mm)
- 30¼" (775mm)
- 8½" (216mm)
- 17¼" (438mm)
Rough-Ins

☑️ **Standard rough-in shown.**

⚠️ **Reinforce wall at points A and B.**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3⁄8&quot; Lav Deck Bowl Anchors with a Minimum Pull-Out Force of 1,000 lbs. (reinforce walls at anchor points)</td>
<td>2</td>
</tr>
<tr>
<td>B</td>
<td>3⁄8&quot; Lav Deck Frame Anchors with a Minimum Pull-Out Force of 1,000 lbs. (reinforce walls at anchor points)</td>
<td>5</td>
</tr>
<tr>
<td>C</td>
<td>½&quot; Hot/Cold Supplies, Stub-Out 2&quot; From Wall</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>110v GFI Protected Electrical Outlet (AC version only)</td>
<td>2</td>
</tr>
<tr>
<td>E</td>
<td>1¼&quot; NPT Drain, Stub-Out 2&quot; From Wall</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RIM HEIGHT</th>
<th>VERTICAL HEIGHT ADJUSTMENTS FOR CODES A–E and H</th>
<th>FIXTURE STYLE</th>
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</thead>
<tbody>
<tr>
<td>33½&quot;</td>
<td>None</td>
<td>Standard Height</td>
</tr>
<tr>
<td>31½&quot;</td>
<td>Subtract 2&quot;</td>
<td>TAS, Grades 6 through 8 or 9</td>
</tr>
<tr>
<td>29½&quot;</td>
<td>Subtract 4&quot;</td>
<td>TAS, Pre-K through Grades 5 or 6</td>
</tr>
<tr>
<td>30½&quot;</td>
<td>Subtract 3&quot;</td>
<td>Juvenile Height</td>
</tr>
</tbody>
</table>

Reinforce wall at points A and B.

Standard rough-in shown.

30' (762mm) Ref. Dim. to outside bottom corner of bowl

29½" (749mm) Ref. Dim. to outside corner of bowl (mark corner of bowl)

27½" (708mm)
1 Frame Mounting

Typical installation is shown. It may be necessary to repair the wall after mounting. The fixture may not cover all of the wall modifications.

A Fasten plywood securely to at least (3) studs.

Minimum required to pick up three studs and vertical frame members - 33½" (851mm) min.

Drywall

16" (406mm) centers

Floor

B Drain, supplies and electrical box are shown in their approximate locations. Cut clearance holes in the plywood as required.

NOTE: Plywood should equal the thickness of the drywall (½" minimum).

C Shim the frame at anchor points to ensure the offset bracket is straight. Leave the top screw loose.

A Use ⅜" lag screws and square washers provided to secure the frame to plywood (5) places. Shim frame as necessary.

NOTE: Other fasteners may be used based on wall material.

D Piping connection of box should point toward the back of the unit.

Plywood Mounting Height | “A” Dimension
--- | ---
Standard Height | 19" (483mm)
TAS, Grades 6 through 8 or 9 | 17" (432mm)
TAS, Pre-K through Grades 5 or 6 | 15" (381mm)
Juvenile Height | 16" (406mm)

2 Faucet Box Mounting

A Mount the faucet boxes onto the brackets with valve positioned toward the wall (if applicable).

B Hang the faucet box brackets onto the frame in the orientation shown. Piping connection of box should point toward the back of the unit.
3 Drain Assembly

For ease of drain installation, lay the bowl on its back.

4 Faucets and Optional Soap Valve

For ease of installation, leave the bowl laying on its back. Install the faucets and optional soap valves according to manufacturer’s instructions. Bradley Model 6315 Soap Dispenser is shown.
**5a Bowl Mounting (to Frame)**

- Water supply to battery box solenoid MUST be supplied using a plastic hose (provided by Bradley).

- **Press firmly on the back of the bowl to seat the bowl into the frame.**
- **Tighten the top screw on the frame.**

**5b Bowl Mounting (to Wall)**

- **Bowl is heavy!**

- **Reinforce behind the wall at the two bowl mounting locations, then secure the bowl to the wall.**
6 Strainer and P-trap

A. Attach the strainer screw to the strainer. Do not overtighten.

B. Thread the strainer screw through the boss on the drain adapter and secure the strainer to the bowl.

7 Adjust Temperature with Water Running

A. Loosen Cap Screw about 1/4" (4-6 turns) and lift up cover (do not remove).

B. Using cover, turn cartridge gently until desired water temperature is reached. Do not turn past stops as this may damage unit. Push cover down and tighten screw.

This valve is NOT factory preset. Upon installation, the temperature of this valve must be checked and adjusted to ensure delivery of a safe water temperature. Water in excess of 110°F (43°C) may cause scalding.
8 Trap Cover

Make all connections before installing trap cover.

Hang the trap cover onto the hook, then secure the trap cover with the screws provided, starting with the side screws.
Cleaning and Maintenance for Evero

Material Description: Evero Natural Quartz Material is made from a blend of acrylic modified bio-based polyester resin, natural quartz and other materials and is resistant to chemicals, stains, burns and impact. Surface damage can be easily repaired with everyday cleansers or fine grit abrasives.

Routine Cleaning: For regular cleaning, use standard commercial or household products such as Simple Green®, Creamy Cleanser brand, Formula 409® or Windex®.

Stubborn Stains: Remove tough stains, with non abrasive cleaners and pads such as a white Scotch Brite® pad and Lysol®.

Special Situations for Evero Material

Hard Water Deposits: Remove hard water deposits with a mild solution of vinegar and water. Always rinse the unit thoroughly after cleaning.

Restoring the surface: Refresh and restore the rich surface with one of the following:
- Geo Series: Color enhancer such as Tenax® Ager
- Pearl Series: Impregnating sealer such as DryTreat Stain - Proof Original™ or Miracle Sealants 511 Impregnator

⚠️ Do not use strong acid or alkaline chemicals and cleansers to clean Evero. If these chemicals come in contact with the surface, wipe them off immediately and rinse with soapy water. Avoid contact with harsh chemicals such as paint remover, bleach, acetone, etc. Avoid contact with hot pans and objects.

Repair Kits: Evero repair kits are available. Contact your Bradley representative or distributor for part numbers and pricing. Repair kits are made to order and have a shelf life of 30 days.

✔️ Evero is a unique cast material. Aggregate flow and distribution as well as shades of color can vary from product to product creating natural characteristics.

Cleaning and Maintenance for Stainless Steel

Material Description: Stainless steel is extremely durable, and maintenance is simple and inexpensive. Proper care, particularly under corrosive conditions, is essential. Always start with the simplest solution and work your way toward the more complicated.

Routine cleaning: Daily or as often as needed use a solution of warm water and soap, detergent, or ammonia. Apply the cleaning solution per the manufacturer's instructions and always use a soft cloth or sponge to avoid damaging the finish.

Stubborn Stains: To remove stains from stainless steel use a stainless steel cleaner and polish such as Ball® stainless steel cleaner or a soft abrasive. Always follow the manufacturer's instructions and apply in the same direction as the polish lines.

Never use ordinary steel wool or steel brushes on stainless steel. Always use stainless steel wool or stainless steel brushes.

Fingerprints and Smears: To remove fingerprints or smears use a high quality stainless steel cleaner and polish in accordance with the manufacturer's instructions. Many of these products leave a protective coating that helps prevent future smears and fingerprints.

Grease and Oil: To remove grease and oil use a quality commercial detergent or caustic cleaner. Apply in accordance to the manufacturer's instructions and in the direction of the polish lines.

Precautions: Avoid prolonged contact with chlorides (bleaches, salts), bromides (sanitizing agents), thiocyanates (pesticides, photography chemicals, and some foods), and iodides on stainless steel equipment, especially if acid conditions exist.

⚠️ Do not permit salty solutions to evaporate and dry on stainless steel.

The appearance of rust streaks on stainless steel leads to the belief that the stainless steel is rusting. Look for the actual source of the rust in some iron or steel particles which may be touching, but not actually a part of the stainless steel structure.

✔️ Strongly acidic or caustic cleaners may attack the steel causing a reddish film to appear. The use of these cleaners should be avoided.

Brand Names

Use of brand names is intended only to indicate a type of cleaner. This does not constitute an endorsement, nor does the omission of any brand name cleaner imply inadequacy. Many products named are regional in distribution, and can be found in local supermarkets, department and hardware stores, or through your cleaning service. It is emphasized that all products should be used in strict accordance with package instructions.